

LISTING OF CLAIMS:

The following listing of claims will replace all prior versions and listings of claims in the application.

1. (Original) A container for containing material to be analysed using magnetic resonance, the container including a receive coil for use in analysing material contained in the container and a connector for detachably connecting the receive coil, directly or via an adaptor, to an input of a magnetic resonance scanner.
2. (Original) A container according to Claim 1, wherein the connector provides an inductive coupling to the receive coil.
3. (Original) A container according to Claim 1, wherein the connector provides a direct electrical contact to the receive coil.
4. (Original) A container according to Claim 1, wherein the connector includes a transmitter for establishing a wireless link between the receive coil and the input of the magnetic resonance scanner.
5. (Currently Amended) A container according to [any one of claims 1 to 3] claim 1 wherein the receive coil is also adapted for use as a transmit coil for use in [analysing] analyzing material contained in the container.
6. (Currently Amended) A container according to [any one of the preceding claims] claim 1 wherein the container is sealable.
7. (Currently Amended) A container according to [any one of the preceding claims] claim 1 wherein the receive coil is constructed as a volume coil such that material to be [analysed] analyzed can be placed inside the coil.

8. (Currently Amended) A container according to [any one of the preceding claims] claim 1 wherein the container is made of non-ferromagnetic material such that material contained in the container can be [analysed] analyzed by use of an excitation pulse generated by use of at least one transmit coil external to the container.
9. (Original) A scanner for use in analysis by magnetic resonance, the scanner having detachably connected thereto a container including a receive coil for use in analysing material contained in the container.
10. (Original) A scanner according to Claim 9, said scanner being an open scanner, provided with at least one transmit coil and at least one receive coil arranged for use in imaging a three-dimensional space in which a surgical procedure can be at least partially carried out.
11. (Original) A scanner according to Claim 10 wherein the container is disposed in said space to enable analysis of material contained in the container by use of said at least one transmit coil, together with the receive coil of the container.
12. (Currently Amended) A scanner according to [any one of Claims 9, 10 or 11] claim 9 wherein the receive coil of the container is adapted to function additionally as a transmit coil for use in analysis of material contained in the container.
13. (Currently Amended) A scanner according to [any one of Claims 9 to 12] claim 9, the scanner being provided with an adaptor between the scanner and the container, for adapting the detachable connection to meet requirements of the scanner and of the receive coil of the container in said use in [analysing] analyzing material contained in the container.

14. (Original) A method of analysing material by use of magnetic resonance, the method comprising :

- i) generating a main magnetic field for use in analysing a body of material positioned in the field;
- ii) removing analysed material from said body of material;
- iii) placing the removed material in a container which includes a receive coil; and
- iv) placing the container in the magnetic field;
- v) applying an excitation pulse to the removed material; and
- vi) using the receive coil of the container in analysing the removed material.

15. (Original) A method according to Claim 14 wherein the body is at least initially situated in a first locality; the method further comprising

- vii) sealing the container at the first locality.

16. (Original) A method according to Claim 14 wherein the body is at least initially situated in a first locality; the method further comprising

- viii) labelling the container at the first locality.

17. (Original) A method according to Claim 14 wherein the body is at least initially situated in a first locality; the method further comprising

- ix) transporting the container to a second locality.

18. (Original) A method according to Claim 14 wherein the body is at least initially situated in a first locality; the method further comprising

x) further analysing the removed material at a second locality.

19. (Original) A method according to Claim 14 wherein the receive coil of the container is adapted also to act as a transmit coil, for generating the excitation pulse.

20. (Original) A method according to claim 14 wherein the excitation pulse is generated by a transmit coil external to the container.

21. (Original) A method according to claim 14 wherein the body is a patient and the first locality is an operating theatre.

22. (Original) A method of analysing body tissue by use of magnetic resonance, the method comprising :

- i) generating a main magnetic field for use in analysing a body tissue of a patient positioned in the field;
- ii) resecting the analysed body tissue from said patient;
- iii) placing the resected body tissue in a container which includes a receive coil; and
- iv) placing the container in the magnetic field;
- v) applying an excitation pulse to the resected body tissue; and
- vi) using the receive coil of the container in analysing the resected body tissue.

23. (Original) A method according to Claim 22, wherein the patient is situated in an operating theatre.

24. (Original) A method according to Claim 23 further comprising
- vii) sealing the container inside the operating thraatre.
25. (Original) A method according to Claim 23 further comprising
- viii) labelling the container inside the operating thraatre.
26. (Original) A method according to Claim 23 further comprising
- ix) further analysing the resected body tissue outside the operating thraatre.
27. (Original) A method according to Claim 22 wherein the receive coil of the container is adapted also to act as a transmit coil, for generating the excitation pulse.
28. (Original) A method according to claim 22 wherein the excitation pulse is generated by a transmit coil external to the container.
29. (Original) A method according to claim 22, wherein the body tissue comprises tumour tissue.
30. (Original) A method of analysing a sample material at a first locality by use of magnetic resonance, the method comprising the steps of:
- i) placing the sample material in a sample container having a receive coil;
- ii) using a transmit coil external to the container to apply an excitation pulse to the sample material; and
- iii) using the receive coil to analyse the sample material by use of magnetic resonance in response to the excitation pulse.

31. (Original) A method as claimed in claim 30 further comprising

iv) sealing the container at the first locality.

32. (Currently Amended) A method as claimed in [any of claims 30 to 31] claim 30 further comprising:

v) labelling the container at the first locality.

33. (Currently Amended) A method as claimed in [any of claims 30 to 32] claim 30 further comprising:

vi) transporting the container to a second locality.

34. (Currently Amended) A method as claimed in [any of claims 30 to 32] claim 30 further comprising:

vii) further [analysing] analyzing the sample material at a second locality.

35. (Currently Amended) A method as claimed in [any of claims 30 to 34] claim 30 including using apparatus external to the container to provide a main magnetic field within which the sample container is positioned during analysis.

36. (Currently Amended) A method as claimed in [any of claims 30 to 35] claim 30 including using apparatus external to the container to provide magnetic gradients within which the sample container is positioned during analysis.

37. (Currently Amended) A method as claimed in [any of claims 30 to 36] claim 30, wherein the sample material comprises body tissue.

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38. (Currently Amended) A method as claimed in [any of claims 30 to 37] claim 30, wherein the sample material comprises tumour tissue.

39. (Currently Amended) A method as claimed in [any of claims 30 to 38] claim 30, wherein the first locality is an operating theatre.

40. (Currently Amended) A method as claimed in [claims 33 or 34] claim 33, wherein the second locality is a laboratory.